

## ABSTRACT OF THE DISCLOSURE

Micro channel array devices drawn from a bulk preform having an array of components to reduce the cross section. The reduced cross section fiber like structure is cut  
5 to produce individual arrays of small scale. End caps are drawn and optionally micro machined. The end caps are used to provide input and output ports and other structures for use with the micro channel arrays. A micro channel array may be used with different end caps for analysis and may form a lab on a chip or a component thereof.